

A B S T R A C T

Upon receiving a mobile communication control signaling
at the time when a mobile terminal 80 makes or receives a call,
5 VPN gateway 100, which serves as a relay node, performs
reception determination in cooperation with policy server 200
serving as a bandwidth control mechanism within LAN 20 which
is a private network. When permitting the reception, the VPN
gateway 100 provides a communication line to the mobile
10 terminal 80 or a pre-shared key is dynamically generated
between a radio base station and radio network controller 70,
and the pre-shared key is notified to the VPN gateway 100 by
the radio network controller 70.